GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 8, 2002, 14:17:24 ; Search time 740.84 Seconds
(without alignments)
2013.587 Million cell updates/sec

Title: PCT-US01-47576-347
Perfect score: 1740
Sequence: 1 atgaacaaactgtatatcgg.....ctcagtcaagacggaagtaa 1740

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 930621 seqs, 428662619 residues

Total number of hits satisfying chosen parameters: 1861242

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_1101:*
1: /SIDS2/gcgdata/geneseq/geneseqn/NA1980.DAT:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1740	100.0	1740	21	AAC66035	Human lung cancer-
2	1736.8	99.8	4159	21	AAZ36150	DNA encoding cance
3	1736.8	99.8	4181	21	AAC65900	Human lung cancer-
4	803.6	46.2	2224	20	AAZ10617	cDNA encoding a mu
5	712	40.9	3412	21	AAZ36152	DNA encoding cance
6	697.2	40.1	3283	21	AAZ36154	An alternative for
7	674.2	38.7	1946	21	AAZ36153	An alternative for
8	582.2	33.5	1708	21	AAZ36151	DNA encoding cance
9	381.4	21.9	444	21	AAC17226	Human secreted pro
10	280.4	16.1	282	22	AAI56378	Probe #25064 used
11	280.4	16.1	588	22	AAI43398	Probe #12084 used
12	263.2	15.1	710	21	AAA02565	Human colon cancer
13	163.2	9.4	364	21	AAC03267	Human secreted pro
14	137.4	7.9	500	22	AAI42184	Probe #10870 used
15	136	7.8	136	22	AAI55269	Probe #23955 used
16	121.8	7.0	424	21	AAH31011	Human colon cancer
17	99.4	5.7	300	21	AAA01526	Human colon cancer
18	80.4	4.6	936	22	AAF58252	Oligonucleotide D1
19	80.4	4.6	936	22	AAF58254	Oligonucleotide D1
20	80.4	4.6	936	22	AAF58257	Oligonucleotide D1
21	80.4	4.6	936	22	AAF58259	Oligonucleotide D2
22	80.4	4.6	936	22	AAF58262	Oligonucleotide D2
23	80.4	4.6	938	22	AAF58255	Oligonucleotide D1
c 24	75.8	4.4	936	22	AAF58252	Oligonucleotide D1
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c 26	75.8	4.4	936	22	AAF58257	Oligonucleotide D1
c 27	75.8	4.4	936	22	AAF58259	Oligonucleotide D2
c 28	75.8	4.4	936	22	AAF58262	Oligonucleotide D2
c 29	75.8	4.4	938	22	AAF58255	Oligonucleotide D1
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c 31	42.2	2.4	244	22	AAF58238	Oligonucleotide D1
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33	41.6	2.4	4590	22	AAH24065	Yeast AOD9604-asso
34	41.2	2.4	2396	21	AAC46033	Arabidopsis thalia
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36	40.6	2.3	773	22	AAH03905	Human cDNA clone (
37	40.6	2.3	2773	22	AAH17142	Human cDNA sequenc
38	39	2.2	2767	21	AAC75400	Human ORFX ORF955
39	38.8	2.2	580073	18	AAT58840	Mycoplasma genital
40	38.4	2.2	3738	21	AAA70178	Plasmodium falcipa
41	38.2	2.2	2541	21	AAC42943	Arabidopsis thalia
c 42	37.8	2.2	1653	22	AAF74435	Human PRO4 nucleot
c 43	37.8	2.2	2917	20	AAX52248	Protein PRO257 cDN
c 44	37.8	2.2	2917	22	AAS21415	Human cDNA sequenc
c 45	37.8	2.2	2917	22	AAF72406	Human PRO257 cDNA.

ALIGNMENTS

RESULT 1
AAC66035
ID AAC66035 standard; cDNA; 1740 BP.
XX
AC AAC66035;
XX
DT 21-FEB-2001 (first entry)
XX
DE Human lung cancer-associated cDNA antigen L523S.
XX
KW Lung cancer; therapy; treatment; human; tumor; immunogenic; cytostatic;
KW vaccine; detection; ss.
XX
OS Homo sapiens.
XX
PN WO200061612-A2.
XX
PD 19-OCT-2000.
XX
PF 03-APR-2000; 2000WO-US08896.
XX
PR 02-APR-1999; 99US-0285479.
PR 17-DEC-1999; 99US-0466396.
PR 30-DEC-1999; 99US-0476496.
PR 10-JAN-2000; 2000US-0480884.
PR 22-FEB-2000; 2000US-0510376.
XX
PA (CORI-) CORIXA CORP.
XX
PI Wang T, Fan L;
XX
DR WPI; 2000-628399/60.
DR P-PSDB; AAB11365.
XX

PT Isolated polypeptide comprising an immunogenic portion of a lung tumor
PT protein is used for detecting and monitoring progression of lung cancer
PT in a patient -
XX
PS Claim 1a; Page 258-259; 261pp; English.
XX
CC This invention describes a novel isolated polypeptide (I) which
CC comprising an immunogenic portion of a lung tumor protein or variant (P2)
CC which have cytostatic activity. The polypeptides and polynucleotides are
CC used in compositions and vaccines to inhibit the development of cancer,
CC especially lung cancer, in a patient. Methods described in the invention
CC can be used to monitor the progression of a cancer by carrying out the
CC detection at subsequent time points and comparing the results from the
CC different time points. CD4+ and/or CD8+ T-Cells isolated from a patient
CC are treated with P2, polynucleotides encoding P2 or antigen presenting
CC cells expressing P2 and then administered to the patient to inhibit
CC development of cancer.
XX
SQ Sequence 1740 BP; 526 A; 406 C; 417 G; 391 T; 0 other;

Query Match 100.0%; Score 1740; DB 21; Length 1740;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
AAZ36150
ID AAZ36150 standard; DNA; 4159 BP.
XX

AC AAZ36150;
XX
DT 11-FEB-2000 (first entry)
XX
DE DNA encoding cancer associated antigen KOC-1.
XX
KW Cancer associated antigen; KOC-1; cancer; vaccine; CT7; ss.
XX
OS Homo sapiens.
XX
PN WO9954738-A1.
XX
PD 28-OCT-1999.
XX
PF 16-MAR-1999; 99WO-US05766.
XX
PR 17-APR-1998; 98US-0061709.
XX
PA (LUDW-) LUDWIG INST CANCER RES.
XX
PI Chen Y, Gure A, Tsang S, Stockert E, Jager E, Knuth A, Old LJ;
XX
DR WPI; 2000-013284/01.
XX
PT Nucleotides representing cancer-associated genes, used to develop
PT products for the diagnosis, monitoring and treatment of cancers
XX
PS Claim 88; Page 39-40; 44pp; English.
XX
CC The present sequence represents a cancer associated antigen gene
CC designated KOC-1. The specification also describes a cancer associated
CC antigen designated CT7. The CT7 polynucleotide was isolated from
CC SK-MEL-37 melanoma cells. The polypeptide has some homology with
CC MAGE-10, limited to about 210 carboxy terminal amino acids. The amino
CC terminal of the protein has a repetitive pattern, with repeats rich in
CC serine, proline, glutamine and leucine, and an almost invariable core of
CC the peptide given in AAY43877. The CT7 polypeptide can be processed to
CC peptides which provoke lysis by cytolytic T cells. The polynucleotides
CC and polypeptides can be used for treating a cancerous condition and
CC screening for or diagnosing cancerous conditions. The cancer associated
CC antigens can be used as an immunogenic or vaccine composition with an
CC adjuvant, e.g. a cytokine, a saponin, or granulocyte macrophage-colony
CC stimulating factor (GM-CSF).
XX
SQ Sequence 4159 BP; 1281 A; 830 C; 851 G; 1181 T; 16 other;

Query Match 99.8%; Score 1736.8; DB 21; Length 4159;
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Qy   1681 aagcagcaccaacaacagaaggctctgcaaagtggaccacctcagtcaagacggaagtaa 1740
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RESULT 3
AAC65900
ID AAC65900 standard; cDNA; 4181 BP.
XX
AC AAC65900;
XX
DT 21-FEB-2001 (first entry)
XX
DE Human lung cancer-associated cDNA L523S.
XX
KW Lung cancer; therapy; treatment; human; tumor; immunogenic; cytostatic;
KW vaccine; detection; ss.
XX
OS Homo sapiens.
XX
PN WO200061612-A2.
XX
PD 19-OCT-2000.
XX
PF 03-APR-2000; 2000WO-US08896.
XX
PR 02-APR-1999; 99US-0285479.
PR 17-DEC-1999; 99US-0466396.
PR 30-DEC-1999; 99US-0476496.
PR 10-JAN-2000; 2000US-0480884.
PR 22-FEB-2000; 2000US-0510376.
XX
PA (CORI-) CORIXA CORP.
XX
PI Wang T, Fan L;
XX
DR WPI; 2000-628399/60.
DR P-PSDB; AAB11328.
XX
PT Isolated polypeptide comprising an immunogenic portion of a lung tumor
PT protein is used for detecting and monitoring progression of lung cancer
PT in a patient -
XX
PS Claim 1a; Page 184-186; 261pp; English.
XX
CC This invention describes a novel isolated polypeptide (I) which
CC comprising an immunogenic portion of a lung tumor protein or variant (P2)
CC which have cytostatic activity. The polypeptides and polynucleotides are
CC used in compositions and vaccines to inhibit the development of cancer,
CC especially lung cancer, in a patient. Methods described in the invention
CC can be used to monitor the progression of a cancer by carrying out the
CC detection at subsequent time points and comparing the results from the
CC different time points. CD4+ and/or CD8+ T-Cells isolated from a patient
CC are treated with P2, polynucleotides encoding P2 or antigen presenting
CC cells expressing P2 and then administered to the patient to inhibit
CC development of cancer.

XX
SQ Sequence 4181 BP; 1303 A; 830 C; 851 G; 1181 T; 16 other;

Query Match 99.8%; Score 1736.8; DB 21; Length 4181;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1738; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy    181 atagaactgcacgggaaacccatagaagttgagcactcggtcccaaaaaggcaaaggatt 240
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Qy    241 cggaaacttcagatacgaaatatcccgcctcatttacagtgggaggtgctggatagttta 300
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Qy    841 attttagctcataataactttgttggacgtcttattggtaaagaaggaagaaatcttaaa 900
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Qy    901 aaaattgagcaagacacagacactaaaatcacgatatctccattgcaggaattgacgctg 960
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Qy    961 tataatccagaacgcactattacagttaaaggcaatgttgagacatgtgccaaagctgag 1020
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